 	 aims	

Appli	cation	/Control	No.
~PP"	Cation	, 00111101	

10/712,386

YAMAGUCHI ET AL.

Examiner

Art Unit

Reexamination

Applicant(s)/Patent under

Benjamin H. Layno

3711

Rejected **Allowed** 

(Through numeral) Cancelled

N Restricted

Appeal

Interference

Non-Elected

o Objected

E     E	Cla	aim	Date			$\neg$	Claim Date								1	Cl	aim	Date														
1     1     1     1     1     1     101     102     1     102     1     102     1     102     1     103     1     1     102     1     103     1     1     103     1     1     103     1     1     1     103     1     1     1     1     105     1     105     1     105     1     105     1     105     1     1     107     1     107     1     107     1     107     1     107     1     107     1     107     1     107     1     107     1     107     1     107     1     107     1     107     1     107     1     107     1     107     1     107     1     108     109     109     109     109     109     109     109     109     110     111     111     111     111     111     111     111     111     111     111     111	<u> </u>													1						Ť				$\neg$	$\dashv$							
102	Final	Original	12/1/05									Final	Original									Finat	Original									
102		1	٦		$\vdash$	$\vdash$	$\vdash$	$\vdash$			$\neg$	-	51		_	+		$\dashv$	十	$\vdash$	1	$\vdash$	101						_	$\dashv$	$\dashv$	$\dashv$
3	<b></b> -		,	_	$\vdash$	$\vdash$	$\vdash$			$\dashv$	_				_	1	$\vdash$	$\dashv$	寸		1				H				$\neg$	$\neg$	$\dashv$	$\dashv$
4     1     104     104     104     105     105     105     106     106     107     108     107     108     107     108     107     108     107     108     109     109     109     109     109     109     109     109     109     110     110     111     112     62     111     112     112     63     111     111     111     112     63     111     111     111     112     112     112     112     112     112     112     112     112     112     112     112     112     112     112     112     112     114			H	<del>                                     </del>	1	$\vdash$	$\vdash$	H		$\neg$				$\vdash$			$\Box$	十	$\dashv$		1				$\Box$						一	$\dashv$
5	<del></del>		Н	1	$\vdash$	<del>                                     </del>	+	H				ļ —	54		+	+	H	1	T		1								$\neg$	$\neg$	$\neg$	$\dashv$
6			H	T	t	t	1	l							$\neg \vdash$	+-	П	十	7		1				$\dashv$						ヿ	$\dashv$
107			Н	t		T	$\vdash$	Г		$\neg$	_				_	1-	П	$\neg$	寸		1										コ	
108			П	T		T	l	İ					57	H	_	1		十	寸		1										コ	$\Box$
10		8	П					Г								$\top$	П	$\neg$	$\neg$		1									T		
10			Π.		T	Г	T							$\Box$	1	1		$\top$	$\dashv$		1											
12		10	J	Ι.	$\Box$		Т							$\Box$	_	$\top$		丁	$\neg$		1										$\exists$	$\Box$
13		11	U	1									61		1			T			]		111							İ	$\neg$	$\Box$
14		12												П				$\neg$	П													
15		13																			]											
16		14																			]											
17																																
18   19   68   118   119   119   120   119   120   120   120   121   121   122   122   122   122   122   122   122   122   122   122   122   123   123   123   124   125   125   125   125   125   125   125   125   125   125   126   127   127   128   129   129   129   129   129   129   130   130   131   131   131   131   131   131   132   133<		16																			]											
19																					]											
To   To   To   To   To   To   To   To																			_											$\sqcup$		
21   71   72   121   122   123   123   123   124   122   123   124   122   123   124   124   125   125   125   125   126   126   127   127   127   127   127   127   127   128   129   129   130   130   130   130   130   130   130   130   131   131   131   131   132   132   132   132   133<			L	L													Ш						119					Ш			_	
22     123     124     123     123     124     124     124     125     125     125     125     125     126     125     126     127     127     127     127     128     128     129     129     129     129     130     130     131     131     131     131     131     132     132     132     132     133     133     134     134     134     134     134     134     134     134     134     135     136     136     136     136     136     136     137     138     139     139     139     139     139     139     140     140     140     140     140     141     141     142     142     142     143     143     144     144     144     144     144     144     144     144     144     144     145     146     147     147     147     147     147     147     147     149     149     149					L			<u> </u>									Ш	_1													$\Box$	
23   123   123   124   124   124   125   126   125   126   126   126   126   126   127   127   127   128   129   129   129   129   130   130   131   131   131   131   131   131   131   131   131   132   132   133   133   133   133   134   134   134   134   134   134   135   135   136   135   136   136   137   136   137   138   138   138   138   139   140   141   140   141   141   141   141   142   142   142   143   144   144   144   144   144   144   144   144   144   144   144   145   146   147   148   149   14			$oxed{oxed}$					乚	$oxed{oxed}$		_			Ш	$\perp$		Ш															
24   124   124   124   125   125   126   125   126   126   126   126   126   126   126   126   126   127   127   127   127   128   128   129   129   129   129   130   131   131   131   131   131   131   131   131   131   131   132   133   133   133   133   133   133   133   133   133   133   133   134   135   135   135   136   136   137   137   137   137   137   137   138   138   138   138   139   13				_	_	<u> </u>	<u> </u>	L				L		Щ		1	Ш	_	_											_		لــــ
25     125     126     126     126     126     127     126     127     128     127     128     127     128     127     128     129     129     129     129     130     130     130     130     130     131     131     132     133			_	_	<u> </u>	L	_	L		$\perp$	_	<u> </u>		Щ.			Ш	_	4						$\Box$					_	_	لـــــا
26   126   126   127   128   127   128   128   128   128   128   128   128   129   129   129   129   129   130   130   131   131   131   131   131   131   132   133   133   132   133   133   133   133   133   133   133   133   133   134   134   134   134   134   134   134   134   134   135   135   135   135   136   137   137   137   137   137   137   138   139   139   139   139   139   140   140   141   141   141   142   142   142   142   143   144   144   144   144   144   144   144   144   145   146   147   147   148   148   148   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   14			<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	L	_		_	<u> </u>		$\sqcup$	$\bot$	┷	Щ	4	4					_	-			$\Box$				لــــا
27   127   128   128   128   128   128   129   129   129   130   130   130   130   130   130   130   130   131   131   131   131   131   132   132   132   133   133   133   133   133   133   133   133   133   134   134   134   134   134   134   135   135   135   135   135   136   136   137   136   137   137   138   138   139   139   139   139   139   140   141   141   141   141   141   141   141   141   142   142   143   144   144   144   144   144   144   145   145   145   146   147   147   148   149   14	┞——			_	_	_	_	<u> </u>		$\Box$	4	<u> </u>		$\sqcup$		╁	_	_	4	_			125				_			_	$\rightarrow$	
28   78   128   129     30   80   130   131     31   81   131   131     32   82   132   133     33   84   134   134     35   85   135   136     36   86   136   137     38   88   138   139     39   88   138   139     40   90   140   141     41   91   141   142     43   93   143   144     44   94   94   144     45   96   146   145     47   97   148   148     49   99   149   149	<u> </u>		<u> </u>	<u> </u>	<u> </u>	┡	<u> </u>	<u> </u>	_		4	1		$\vdash$		┼	$\sqcup$	4	-	_					_					-	_	_
29   79   129     30   80   130     31   81   131     32   83   132     33   133   133     34   84   134     35   85   135     36   86   136     37   88   138     39   88   138     39   90   140     41   91   140     41   91   141     42   92   142     43   93   143     44   94   144     45   96   145     46   96   146     47   97   147     48   98   148     49   99   149			<u> </u>	┞	┡	<u> </u>	₩	<b> </b>	1_					$\vdash$	+		$\sqcup$	4	-	_	-				_		-	_		-	$\dashv$	ل
30			<u> </u>	├_	<u> </u>	┡	-	┡	<u> </u>	-	_	1	78	$\vdash \vdash$	_	+	Н	4	4	-			128	_	$\dashv$		$\Box$		_			
31   81   131   132     32   83   132   133   133     34   84   134   134   135   135     36   86   136   137   137   137   137   137   137   137   138   138   138   138   138   138   138   139   139   140   140   140   141   141   141   141   141   142   142   143   144   144   145   145   145   145   146   147   147   147   147   148   148   149	ļ		⊢	├	⊢	⊢	╄	┢	<u> </u>	-	-	-		$\vdash$			┞	+	$\dashv$		-	<u> </u>			$\vdash$					-	$\dashv$	
32   33   34   35   36   35   36   37   38   37   38   39 <td< td=""><td>├──</td><td></td><td><u> </u>_</td><td>├-</td><td>⊢</td><td>⊢</td><td>-</td><td><b>L</b></td><td>-</td><td>_</td><td></td><td> </td><td></td><td>┝╼┼</td><td>-</td><td>┯</td><td><math>\vdash\dashv</math></td><td>-</td><td>-</td><td></td><td>-</td><td><math>\vdash</math></td><td></td><td></td><td><math>\dashv</math></td><td>_</td><td><math>\dashv</math></td><td>_</td><td>_</td><td> </td><td><math>\dashv</math></td><td>—</td></td<>	├──		<u> </u> _	├-	⊢	⊢	-	<b>L</b>	-	_				┝╼┼	-	┯	$\vdash\dashv$	-	-		-	$\vdash$			$\dashv$	_	$\dashv$	_	_		$\dashv$	—
33   34   35   36   35   36   37   38   37   38   39 <td< td=""><td>-</td><td></td><td>├</td><td>-</td><td>├</td><td>⊢</td><td>-</td><td>⊢</td><td><math>\vdash</math></td><td>-</td><td></td><td><u> </u></td><td></td><td><math>\vdash</math></td><td>+</td><td>+</td><td><math>\vdash\vdash</math></td><td>+</td><td>+</td><td>+</td><td>{  </td><td></td><td>131</td><td></td><td>-</td><td>_</td><td><math>\dashv</math></td><td>_</td><td></td><td> </td><td></td><td></td></td<>	-		├	-	├	⊢	-	⊢	$\vdash$	-		<u> </u>		$\vdash$	+	+	$\vdash\vdash$	+	+	+	{		131		-	_	$\dashv$	_				
34			⊢	├	-	⊢	<b>├</b>	├	<u> </u>	$\vdash$				$\vdash$	+	+	$\vdash$	$\dashv$	$\dashv$		1						$\dashv$				-	
35   36   37   38   37   38   39   38   39 <td< td=""><td>-</td><td></td><td><math>\vdash</math></td><td>-</td><td><math>\vdash</math></td><td><math>\vdash</math></td><td>╁</td><td>-</td><td><math>\vdash</math></td><td>H</td><td><math>\dashv</math></td><td>-</td><td></td><td><math>\vdash</math></td><td>+</td><td>+</td><td>Н</td><td><math>\dashv</math></td><td>+</td><td></td><td>1</td><td></td><td></td><td></td><td>  </td><td></td><td><math>\dashv</math></td><td><math>\vdash</math></td><td><math>\vdash</math></td><td><math>\dashv</math></td><td></td><td></td></td<>	-		$\vdash$	-	$\vdash$	$\vdash$	╁	-	$\vdash$	H	$\dashv$	-		$\vdash$	+	+	Н	$\dashv$	+		1						$\dashv$	$\vdash$	$\vdash$	$\dashv$		
36	<del> </del>		-	<del>                                     </del>	$\vdash$	$\vdash$	┼	├	-		$\dashv$			$\vdash$		+-	⊢┤	$\dashv$	+	- -	1		135	$\vdash$	$\vdash$	$\vdash$	$\dashv$	$\vdash$		$\dashv$	$\dashv$	_
37   88   137     38   88   138     39   90   140     41   91   140     42   92   141     43   93   143     44   94   144     45   95   145     46   96   146     47   98   148     49   99   149	$\vdash$		-	-	+-	├	+	$\vdash$	-	$\vdash$	$\dashv$	-		$\vdash$	+	+-		$\dashv$	$\dashv$		1	<del>                                     </del>		$\vdash$	$\vdash$	$\vdash$	-	Н		$\dashv$	<del>   </del>	_
38       88	$\vdash$		$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$	Н	H	$\dashv$	$\dashv$	-		$\vdash$	+	+	$\vdash \vdash$	$\dashv$	$\dashv$	+	1	<del>  -  </del>			$\vdash$		$\vdash$	$\vdash$	$\vdash$	$\dashv$	$\dashv$	_
39   89   139     40   90   140     41   91   141     42   92   142     43   93   143     44   94   144     45   95   145     46   96   146     47   97   147     48   99   99	<del> </del>		-	╁	$\vdash$	$\vdash$	$\vdash$	<del>                                     </del>	$\vdash$	$\dashv$	$\dashv$	-		$\vdash \vdash$	+	+	$\vdash \vdash$	$\dashv$	$\dashv$	+	1				$\vdash$		$\dashv$	$\vdash$	$\vdash$	$\dashv$	$\dashv$	
40   90   140     41   91   141     42   92   142     43   93   143     44   94   144     45   95   145     46   96   146     47   97   147     48   99   148     49   99   149	$\vdash$		┢	$\vdash$	$\vdash$	1	H	<del>                                     </del>		$\dashv$					$\dashv$	+	$\vdash$	$\dashv$	+	-	1	$\vdash$			$\vdash$		$\vdash$			$\dashv$	$\dashv$	$\neg$
41   91   141   142   142   142   143   143   143   143   143   144   144   144   144   144   144   145   145   146   146   147   147   147   148   148   148   149		40	$\vdash$	$\vdash$	$\vdash$	1-	十	$\vdash$	H	$\dashv$	$\dashv$	-	90	$\vdash$	$\dashv$	+	$\vdash$	十	-+	$\dashv$	1		140	-	$\vdash$	-	$\vdash$		$\vdash$	-+	_	$\neg$
42   92   142     43   93   143     44   94   143     95   145     96   146     97   147     98   148     49   99	<del></del>	41	-	$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$		-	$\dashv$	-	91		+	+		十	+		1	$\vdash$	141		$\vdash$		$\vdash$	$\vdash$	$\vdash$	$\dashv$	$\dashv$	-
43 93   44 94   45 95   46 96   47 97   48 98   49 99	-		$\vdash$	t	t	t	$\vdash$	$\vdash$		$\dashv$	$\dashv$	-		$\vdash$	$\dashv$	╁┈	H	$\dashv$	+	+	1				$\vdash$	H	$\dashv$	$\dashv$	$\vdash$		$\dashv$	
44 94   45 95   46 96   47 97   48 98   49 99	<del></del>		-	1		<del>                                     </del>	$\vdash$	$\vdash$			-			$\vdash \uparrow$	+	+	$\vdash$	$\dashv$	$\dashv$		1			$\vdash$		$\vdash$		$\dashv$		$\dashv$	$\dashv$	$\neg$
45 95   46 96   47 97   48 98   49 99			_	$\vdash$	一	t	1	Ι	$\vdash$	-	$\dashv$			$\vdash \vdash$	+	+-	$\vdash$	_	$\dashv$	+	1			$\vdash$	$\vdash$	$\dashv$	$\dashv$	$\dashv$		-	一	
46 96   47 97   48 98   49 99			一	$\vdash$		$\vdash$	$t^{-}$		Н		$\dashv$	<u> </u>	95	$\vdash$	╅	$\dagger$	$\vdash$	$\dashv$	十	_	1			-	$\vdash$		$\dashv$		-	$\dashv$	$\dashv$	
47 97   48 148   49 99			Н			<del>                                     </del>	$\vdash$	$\vdash$	Н	$\vdash$	$\dashv$		96	$\vdash$	+	$\top$	$\vdash$	$\dashv$	$\dashv$	+	1		146	$\vdash$	$\vdash$	$\vdash$				ᅥ	$\dashv$	—
48 98   49 148   149 149			$\vdash$	<del>                                     </del>	<del>                                     </del>	<del>                                     </del>	$\vdash$	T	$\vdash$	$\vdash$	$\dashv$			$\vdash$	$\dashv$	+	$\vdash$	$\dashv$	+	$\dashv$	1			$\vdash$	H	$\vdash$				7	一	$\dashv$
49 99 149 149			$\vdash$	1	<del>                                     </del>	1	T		Н	1	$\dashv$			$\dashv$	$\dashv$	$\top$	$\vdash$	十	+	$\dashv$	1		148	-		-				一	$\dashv$	$\dashv$
		49	Γ	<del>                                     </del>	T	Т	⇈	T	П	$\dashv$	$\neg$		99	$\Box$	$\neg \vdash$	1	М	十	寸	_	1			$\vdash$				$\dashv$	$\neg$	_	$\dashv$	$\neg$
, 150		50	Г	$\vdash$	$\vdash$	1	Π	Г	М		$\neg$		100	$\vdash$	_	1	$\Box$	$\dashv$	7	$\dashv$	1		150							$\dashv$	$\neg$	$\neg$